M/023/016

I. General Information — See new plan of operations page

II. Principles — See new claim information sheet

III Property — See new claim information sheet

IV Description of the Operation — See new Maps

Note: I do not know how to show a yearly progression of the mine if the mine is not expanding laterally. Most years could be this way.

Power will be supplied by a generator in one of the control vans.

Please provide more information on an annual operational plan – I am not familiar with this requirement

All other questions answered in the plan of operations page

V Environmental

Water is acquired from different sources each year but we always pay a farmer etc. for the water we take.

See new page 109.2 VI-3 Golden Eagle

SHPO coming ASAP

See new deleterious material storage and handling page

NO road crossing US forest service that is not on plans

Soil on side of road see new page - soil salvage section

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Claim Information

Chicken Creek East

Owner: HE Davis Construction, Inc.
525 West Arrowhead Trail
Spanish Fork, Utah 84660
801-722-2100

Claims:

UMC# 370875
Chicken Creek 1E – W1/2, SW1/4, NW1/4, Sec. 34, T 14 S, R 1 E, SLB & M.

UMC# 370876
Chicken Creek 2E – E1/2, SW1/4, NW1/4. Sec. 34, T 14 S, R 1 E, SLB & M.

UMC# 370877
Chicken Creek 3E – W1/2, SE1/4, NW1/4, Sec. 34, T 14 S, R 1 E, SLB & M.

UMC# 370878
Chicken Creek 4E – E1/2, SE1/4, NW1/4, Sec. 34, T 14 S, R 1 E, SLB & M.

UMC# 370879
Chicken Creek 5E – W1/2, SW1/4, NE1/4, Sec. 34, T 14 S, R 1 E, SLB & M.

Chicken Creek West

Owner: Juab Gypsum, L.L.C.
1055 North 400 East
Nephi, Utah 84660
435-623-1877

Claims:

UMC# - 117022
Security #1 – SE1/4, SW1/4, & SW1/4, SE1/4, Sec. 33, T14 S, R 1 E, SLB&M.

UMC# - 177023
Security #2 – NE1/4, NW1/4, & NW1/4, NE1/4, Sec 4, T 14 S, R 1 E, SLB&M.

UMC# - 177024
Security #3 – SE1/4, NW1/4, & SW1/4, NE1/4, Sec. 4, T 14 S, R 1 E, SLB&M.

UMC# - 177025
Security#4 – NE1/4, SW1/4, & NW1/4, SE1/4, Sec. 4, T 14 S, R 1 E, SLB&M.

106.2 Type of operation to be conducted.

This mining operation will involve the direct surface mining of gypsum deposits. Mineral extraction will be accomplished by drilling and blasting possibly about 2 times per month in order to break the rock into sizes that can be handled by a trackhoe or loader. Loaders will pick up the material from the mine and deposit it directly into the crusher. After crushing, the material is transferred to a screen plant that sizes the material into fines, 2"- and 6"-. The sized material is placed into stockpiles. From the stockpiles loaders place it into haul trucks, which transport it offsite.

Drilling and blasting is a necessary part of the mining process. HE Davis will follow a blasting protocol.

Some reclamation will happen concurrently with mining operations including final grading as mining proceeds. Topsoil placement will also take place in certain areas as the mining proceeds because some areas will become inaccessible to large equipment.

This mine is currently in operation and has been since at least the mid 1990's. The Chicken Creek West mine is divided into 2 parts, the current mine site and a proposed future site South and a little East of the current site. The current mine site probably has about 10 years of material to be mined. The Proposed site has the potential of being in operation for about 40 years. The Chicken Creek East mine has had some mining take place and there are also approximately 40 years reserves in this deposit.

The mining operations in the chicken creek mine are seasonal. Mining will begin each year on or after the 1st of March and will be dis-continued by the 15th of November. Any reclamation, sloping, stabilizing, etc., that can be accomplished at the end of the operations year will be done during October and the first two weeks of November. Any seeding will take place as late as possible but should be done in November, weather permitting. An estimate of completion of all mining and reclamation would be by 2030.

The mine could produce up to 100 loads from the mine to the crusher each day with the average being somewhat less. The trucks used to transport the material off site would be around 75 loads per day with an average being less. The typical equipment at this mine includes up to 2 trackhoes, 2 loaders, 2 articulated dump trucks, a generator, crushers and screens and haul trucks.

This mine will employ up to 12-15 people some of which are on site daily and others who come on a regular basis.

Minimizing Sediment and Erosion

Berms will be constructed at the edges of the disturbed areas to control any runoff water. The berms will prevent runoff from the disturbed areas from flowing into the drainage system, thus helping to avoid silting. These berms are intended to contain any and all stormwater that falls onto the disturbed area to within the boundary of the disturbance. The berms will also prevent run-on. The lower pad may have some runoff so 1 (one) small sediment basin will be constructed. The basins will contain 135% of a ten year storm event. Stormwater should not leave the site.

Access Roads into the mines will be graded so that water will flow back into the hillside. The road will have a borrow ditch along the hillside. The downhill side of the road will have a berm to prevent trucks from going over the hill and to retain water.

All Sediment controls will be inspected by the Gypsum Superintendent on a quarterly basis to ensure that they are in good condition and working properly. They will also be checked after heavy rainstorms to make sure that they are sized and designed appropriately. Records of inspections will kept for a period of two years.

Deleterious Material Storage and Handling

One diesel tanks will be kept on site. The maximum size of the tank will be 12,000 gallons but this may vary from season to season (sometimes being smaller). The average daily inventory will likely be about 8 ~~10~~,000 gallons of fuel. The tanks will be kept in a secondary metal containment structure and will contain 110% of the capacity of any tank placed in it. The tank will be placed in an area that should the secondary containment be breached any spilled fuel will not enter the stream or drainage channels. The fuel usage at this site is about 1,000 gallons per day. A fuel delivery truck delivers about 10,000 gallons every other week using proper offload methods. A SPCC plan has been submitted ~~will be developed~~ for this site.

There will also be lube oil stored in about 15, 55 gallon drums. The drums will be placed over drip pans when in use. When the drums are empty they will be hauled off site and disposed of properly.

Any small spills of fuel or lube oils will be collected and haul to the Geneva Rock Point of the Mountain facility where the contaminated soil will be burned in the asphalt hot plant. Any large spills will be reported to the Division of Environmental Response and Remediation (DERR) and clean–up efforts will follow their guidelines.

Phone # for DERR 801-536-4100
Emergencies 801-536-4123

Soil Salvage

Any topsoil removal will be done with a trackhoe. All the soil and any plant matter will be stockpiled together in an area that will be undisturbed by mining activities. A berm will be built around the base of the stockpile to prevent erosion. The berm will also be situated so that storm water will not erode the pile. Soil piles will be seeded.

~~Soil~~ Material removed from roadways will be stored on the shoulder of the road. This will be done to control erosion and act as a safety barrier for vehicles.

Stockpiled Topsoil Protection

A berm will be built around the base of the stockpile to prevent erosion. The will also be situated so that storm water will not erode the pile. Soil piles will be seeded.

Ongoing Reclamation

Some reclamation will happen concurrently with mining operations including final grading as mining proceeds. Topsoil placement will also take place in certain areas as the mining proceeds because some areas will become inaccessible to large equipment.

109.2 Wildlife habitat and endangered species.

"Wildlife

A site-specific search was done using the State of Utah, Division of Wildlife Resource's GIS database. The search focused on high-profile, sensitive, rare, threatened and endangered wildlife species.

Results of the search showed that there are a total of six golden eagle nests within a one-mile radius of the project area, four of which were within 0.5 miles from the area. There was no sage grouse habitat in the area. The project area is within the range for black bear. There were no sensitive, rare, threatened and endangered invertebrate species shown to be in the area. The database showed that elk use the area for summer and winter range, but not for calving. Although deer summer range is somewhat higher and not on the project area, the site is used by them for winter range. The area, however, is probably not used by deer for their fawning activities. Finally, the Chicken Creek riparian area is used extensively by many bird species.

Threatened, Endangered & Sensitive Species

Other than the ~~bald~~ Golden eagle nests described above, no federally listed threatened or endangered (or sensitive) plant or animal species were observed or are known to be present on this study site."

Patrick Collins, PhD., Mt. Nebo Scientific, Inc., Vegetation & Wildlife of the Levan Gypsum Mine, Page 7.

Mining will affect some of the range for larger species and will diminish the food supply somewhat. The mining activity will however, open pathways which will allow access to the more remote areas of the hillside. The loss of range will be restored when reclamation takes place.

The potential impacts on bald eagles would be the loss of some habitat for prey species. The loss of this habitat will be restored and may even be enhanced when reclamation takes place. Noise and dust from the operations could also have some impact although the extent is not known. The plant will be operated in such a manner as to minimize dust through the use of water sprays at the crushing equipment and magnesium chloride on the roads. The plant will also be operated only during daytime hours. A yearly review of the Eagles' nests will be conducted in accordance with the recommendations of the study. The inspection of nests will expand to include the nest mentioned near the upper mining area when activities proceed to that point.

The riparian habitat that is found in this area will not be disturbed. There should be not effect on water foul.

109.4 Slope stability, erosion, air, public health and safety.

Slope Stability and Erosion

Slope stability will not be a major factor at this site because the soils are only 0" to 3 feet in depth. The bedrock is close to the surface and is in fact exposed in many locations. The bedrock is massive and is not highly fractured therefore relatively little mass movement will occur.

Erosion will be controlled through the use of berms. The berms will be used to keep storm water from running off directly into the drainage system and to keep storm water from running on to soil storage areas. Because the mine is located primarily on bedrock there will be relatively small amounts of material from disturbed areas that would be eroded.

Air Quality

Because of the nature of the material that is being mined, some dust will be created in excavation, transportation and processing the gypsum. During excavation care will be taken to reduce the amount of dust generated by using good methods of loading and by reducing the amount the material is handled before loading. The dust generated during transportation can be reduced by the use of magnesium chloride sprayed directly onto the road surface. A water tank will be maintained at the crusher so that spray bars can be used to suppress dust while material is being processed. H.E. Davis Construction will maintain current air quality permits from the Division of Air Quality (DAQ). Water is obtained from different farmers to fill water tanks for dust suppression. This varies from year to year.

Public Health and Safety

The mine is registered with the Mining Safety and Health Administration (MSHA) and all rules and regulations will be observed. Workers at the mine are expected to abide MSHA rules as well as company policies regarding safety for their own safety as well as that of the public. Other safety measures will include limiting access to the site with gates. Signs will be posted and a berm will be placed above high bank areas to warn and protect hikers and hunters. Other signs will be installed throughout the site in appropriate locations including " Hard Hat Area", "No Trespassing" and "Danger Flammable Liquid".

Access Road: The access is from from Highway 28 to the Henry Mine on dirt roads.

Hole Plugging

Any exploration will be done by drilling a 4 inch hole directly into the gypsum. All holes drilled on this site will eventually be consumed by the mining operation.

105.2 – Surface Facilities Map

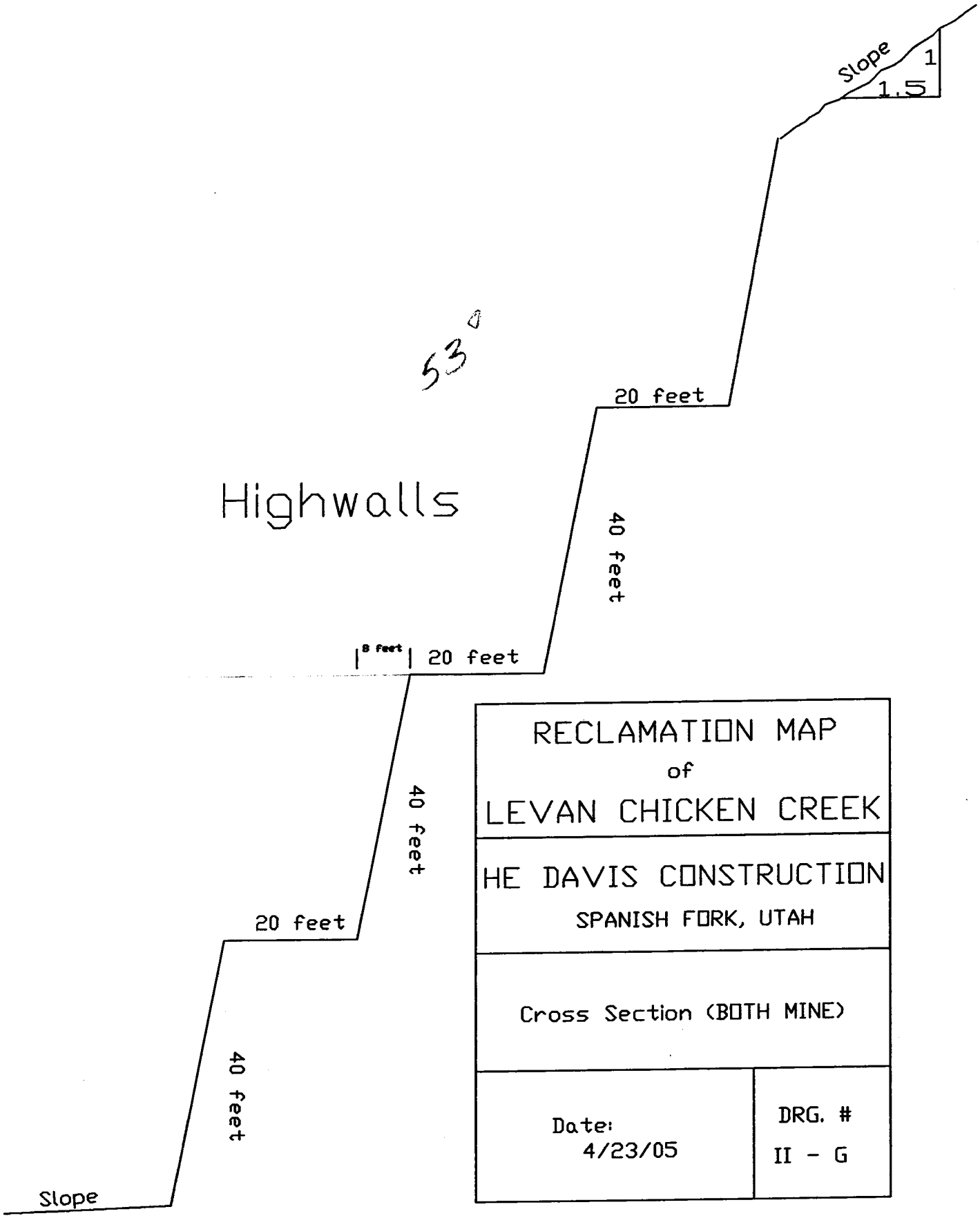
Surface Facilities Map Checklist

Check		Map ID
_____	(a) Proposed surface facilities, including but not limited to: buildings stationary mining/processing equipment, roads, utilities, power lines, proposed drainage control structures, and the location of topsoil storage areas, overburden/waste dumps, tailings or processed waste facilities, disposal areas for overburden, solid and liquid wastes, and wastewater discharge treatment and contamination facilities;	_____
_____	(b) A border clearly outlining the extent of the surface area proposed to be affected by mining operations, and the number of acres proposed to be affected;	_____
_____	(c) The location of known test borings, or core holes.	_____

105.1 – Base Map

Base Map Checklist

Check		Map ID
_____	(a) Property boundaries of surface ownership of all lands which are to be affected by the mining operations;	_____
_____	(b) Perennial, intermittent, or ephemeral streams, springs and other bodies of water; roads, buildings, landing strips, electrical transmission lines, water wells, oil and gas pipelines, existing wells or boreholes, or other existing surface or subsurface facilities within 500 feet of the proposed mining operations;	_____
_____	(c) Proposed route access to the mining operations from nearest publicly maintained highway;	_____
_____	(d) Known areas which have been previously impacted by mining or exploration activities within the proposed land affected;	_____
_____	(e) Areas proposed to be disturbed or reclaimed over the life of the project or other suitable time period.	_____



RECLAMATION MAP
of
LEVAN CHICKEN CREEK

HE DAVIS CONSTRUCTION
SPANISH FORK, UTAH

Cross Section (BOTH MINE)

Date: 4/23/05	DRG. # II - G

FRANKLIN R. PETERSON →

PYRAMID GYPSUM CO.

BOYD TOM AAGARD

LEVAN GYPSUM CO.

LEVAN LAND CO.

NATIONAL FOREST SERVICE

to Levan county road

Levan Irrigation Co.

mine access

ingress

EXISTING CRUSHING AREA

sediment pond

1/4 section line

UINTA NATIONAL FOREST

EXISTING HAUL ROAD

EXISTING MINE AREA

PROPOSED MINE AREA

PROPOSED HAUL ROAD

SECURITY #1

SECURITY #2

SECURITY #3

SECURITY #4

Scale: 1" = 500'

OWNERSHIP MAP
of the
LEVAN CHICKEN CREEK
(WEST MINE)

HE DAVIS CONSTRUCTION
Spanish Fork, Utah

contour interval 50'

Date: 3/15/05

Drawing #
II - C

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REEK | CHICKEN CREEK | CHICKEN CREEK | CH

3E | 4E | 17 S

National Forest

SURFACE STRUCTURES
of the
LEVAN CHICKEN CREEK
(EAST MINE)

HE DAVIS CONSTRUCTION
Spanish Fork, Utah

EXISTING FACILITIES

Date: 3/18/05

Drawing #
II - D

CURRENT MINE AREA

staging

draingge

draingge

GATE

ingress/egress

drainage

proposed catch basin, pipe & sediment trap

Scale 1" = 100'

oad

ounty road

Chicken Creek

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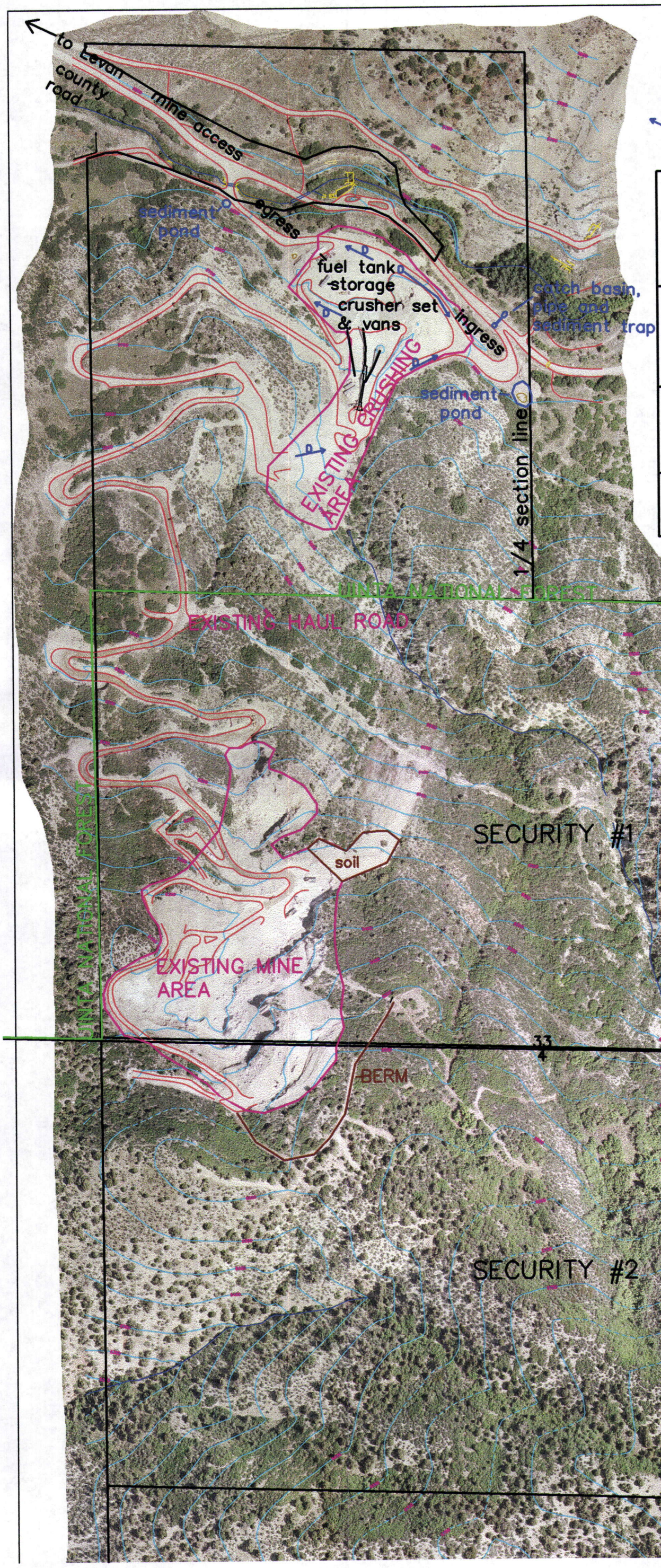

= drainage

N

Scale: 1" = 300'

SURFACE STRUCTURES of the LEVAN CHICKEN CREEK (WEST MINE)

HE DAVIS CONSTRUCTION

Spanish Fork, Utah

existing facilities
contour interval 50'

Date: 3/18/05

Drawing #
II – D

REEK CHICKEN CREEK CHICKEN CREEK CH

3E

4E

1/4 sec

National Forest

DISTURBED AREA MAP
of the
LEVAN CHICKEN CREEK
(EAST MINE)

HE DAVIS CONSTRUCTION
Spanish Fork, Utah

(acres disturbed)
cotour interval 50'

Date: 3/18/05

Drawing #
III – A

CURRENT MINE AREA
(.45)

staging
(.4)

GATE

ingress/egress
(.15)

oad

ounty road

Chicken Creek

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Scale: 1" = 300'

DISTURBED AREA MAP
of the
LEVAN CHICKEN CREEK (WEST MINE)

HE DAVIS CONSTRUCTION

Spanish Fork, Utah

(acres disturbed)
contour interval 50'

Date: 3/18/05

Drawing #
III – A

to Levan county road

mine access

egress

ingress

(.58)

(5.35)

EXISTING CRUSHING AREA

1/4 section line

UINTA NATIONAL FOREST

EXISTING HAUL ROAD
(3.45)

EXISTING MINE AREA
(12.3)

SECURITY #1

33
4

SECURITY #2

CHICKEN CREEK 1E

CHICKEN CREEK 2E

CHICKEN CREEK 3E

CHICKEN CREEK 4E

CHICKEN CREEK 5E

Uinta National Forest

Uinta National Forest

Uinta National Forest

3334 1/4 section line

3334 1/4 section line

PROPOSED MINE AREA (9.8)

TRACKWAY (.5)

HIGHWALL

CRUSHER AREA (2.35)

TRACKWAY

Ingress/egress (.15)

to Levan

mine access road

county road

Chicken Creek

Scale 1" = 300'

PROPOSED DISURBED of the LEVAN CHICKEN CREEK (EAST MINE)

HE DAVIS CONSTRUCTION

Spanish Fork, Utah

(acres disturbed) contour interval 50'

Date: 3/18/05

Drawing #
III - B

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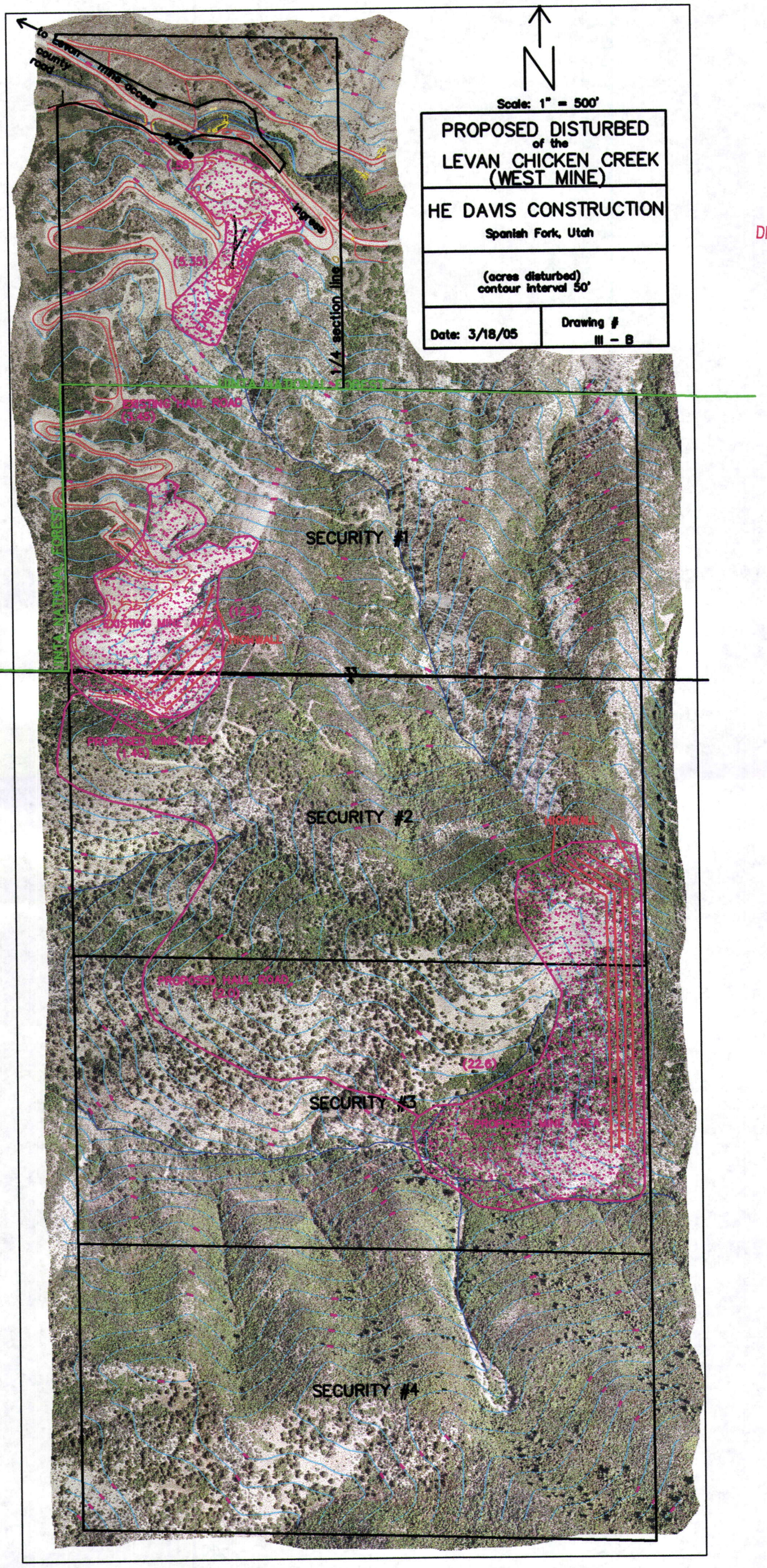

ingress/egress and Area to be ripped, recieve 6" of soil then seeded — Highwall to remain — Trackway to be resloped to orginal grade and seeded

CHICKEN CREEK 1E | CHICKEN CREEK 2E | CHICKEN CREEK 3E | CHICKEN CREEK 4E | CHICKEN CREEK 5E

Uinta National Forest

Scale 1" = 300'

RECLAMATION MAP of the LEVAN CHICKEN CREEK (EAST MINE)

HE DAVIS CONSTRUCTION
Spanish Fork, Utah

contour interval 50'

Date: 3/22/05 | Drawing # II - E

3334 1/4 section line

Highwall to remain

TRACKWAY (2)

TRACKWAY

ingress/egress

to Levan

mine access road

county road

Chicken Creek

Uinta National Forest

Uinta National Forest

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HE DAVIS CONSTRUCTION
GYPSUM MINES
Vicinity Map

RECEIVED
APR 0 8 2005
DIV. OF OIL, GAS & MINING

N

Scale 1" = 2200'

DRG. #
II - A

to Nephi

LEVAN

100 South

State Route 28

mine access

mine access

CHICKEN CREEK MINE

PIGEON CREEK

(WEST)

(EAST)

Section 33

Section 34

CHICKEN CREEK

Township 14 South

Township 15 South

ROCK HOLLOW

SPRING HOLLOW

CHICKEN CREEK 1E

CHICKEN CREEK 2E

CHICKEN CREEK 3E

CHICKEN CREEK 4E

CHICKEN CREEK 5E

Uinta National Forest

3334 1/4 section line

PROPOSED MINE AREA

TRACKWAY

1/4 section line

CURRENT MINE AREA

staging

ingress/egress

to Levan

mine access road

county road

Chicken Creek

Uinta National Forest

Uinta National Forest

N

Scale 1" = 300'

BASE MAP
of the
LEVAN CHICKEN CREEK
(EAST MINE)

HE DAVIS CONSTRUCTION
Spanish Fork, Utah

contour interval 200'

Date: 3/12/05

Drawing #
II - B